(b) Does not arise.

(c) The Ministry continues to provide fiscal incentives for promotion of solar energy devices and systems in the country. In addition, subsidy is also provided on some of the solar energy systems, convered under the schemes of the Ministry.

(d) Under the solar water heating programme, the targets set for the Tenth plan period have been exceeded. Further, under the solar photovoltaic programmes, the targets are allocated to the implementing agencies for installation of the systems. On the basis of proposals submitted by them, the past performance of the implementation of the projects and the availability of funds. Some times the implementing agencies are not able to complete the targets in time due to administrative reasons and delays in the procurement of solar energy systems. This results in some shortfall in achieving the targets.

(e) The following major initiatives have been taken by the Ministry to further expand the solar energy programmes.

(i) A scheme on Accelerated Development and Deployment of Solar Water Heating Systems in Domestic, Industrial and Commercial Sectors under which soft loan is available to the beneficiaries through selected banks and Indian Renewable Energy Development Agency Ltd. (IREDA) for installation of solar water heating systems.

(ii) Separate scheme on urban applications of solar photovoltaic systems,

(iii) A new scheme on distribution of solar lanterns in the un-electrified villages of the special category States; and

(iv) Expanded programme for establishment of Rajiv Gandhi Akshaya Urja Shops to facilitiate availability and after sales support for solar energy systems.

Utility of renewable energy technologies

2497. SHRI MOTIUR RAHMAN: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether there, is a lack of awareness amongst the public about the utilityof renewable energy technologies;

(b) the measures taken for effective development and promotion of renewable energy programmes;

(c) the steps taken for the popularisation of renewable systems/devices amongst the rural masses; and

(d) the quantum of funds allocated/spent for the same during the last three years and achievement made thereon, State-wise?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) to (c) Ministry of Non-Conventional Energy Sources (MNES) has been creating awareness through electronic and print media, including newspapers, booklets, leaflets, brochures, news letters, exhibitions, fairs on various renewable energy technolgies in Hindi, English and regional languages all over the country, including rural area. MNES is organizing Rajiv Gandhi Akshay Urja Oiwas in districts, metros and State capitials of the country on 20th August for wider publicity and awareness since 2004. District Advisory Committees on renewable energy have also been constituted in 540 districts for coordination and awareness creation on renewable energy programmes/systems at the district level. In addition, Renewable Energy Clubs have been established in Engineering Colleges for creating awareness among engineering students.

These apart, Research and development projects have been supported at National Laboratories, Universities and other R&D establishments for design and development of renewable energy systems/devices. For promotion of renewable energy systems/devices, financial and fiscal incentives are being provided.

(d) A total expenditure of Rs. 603.62 crore was incurred by this Ministry under various programmes on renewable energy supported in various States during the last three years, *i.e.* 2003-04 to 2005-06, State-wise details of which are given in Statement-I (See below). State-wise achievements made under major programmes of the Ministry during the corresponding period are given in Statement-ll.

Statement-I

State-wise Expenditure Incurred By Mines On Major Programmes During Last 3 Years, i.e., 2003-04 To 2005-06

SI.No.	States/UT	2003-04	2004-05	2005-06	Total
1	Andhra Pradesh	12.67	0.00	12.19	24.86
2	Arunachal Pradesh	7.77	11.91	5.43	25.10
3	Assam	3.38	0.44	2.02	5.84
4	Bihar	0.16	0.06	0.41	0.63
5	Chhattisgarh	6.29	1.39	5.50	13.18
6	Goa	0.76	0.08	0.21	1.05
7	Gujarat	4.55	2.22	3.47	10.23
8	Haryana	6.75	1.58	1.48	9.80
9	Himachal Pradesh	4.33	12.82	2.57	19.71
10	Jammu & Kashmir	10.13	5.74	10.13	26.00
11	Jharkhand	11.11	0.05	12.65	23.81
12	Karnataka	20.06	5.38	4.05	29.49
13	Kerala	2.73	5.33	1.37	9.44
14	Madhya Pradesh	2.70	4.99	5.78	13.47
15	Maharashtra	6.89	6.61	10.14	23.64
16	Manipur	2.62	1.06	3.99	7.68
17	Meghalaya	2.40	5.30	3.17	10.87
18	Mizoram	4.02	3.46	14.35	21.82
19	Nagaland	2.46	1.63	1.57	5.66
20	Orissa	4.76	2.16	3.31	10.24
21	Punjab	14.32	1.45	1.65	17.43
22	Rajasthan	5.99	3.02	5.23	14.24
23	Sikkim	8.87	0.88	3.07	12.82
24	Tamil Nadu	9.45	6.11	3.37	18.93
25	Tripura	10.47	10.75	0.24	21.46
26	Uttar Pradesh	20.75	10.10	4.27	35.11
27	Uttaranchal	13.52	1.52	10.58	25.61
28	West Bengal	35.49	5.61	16.89	57.99
29	Andaman & Nicobar	1.50	0.00	0.00	1.50
30	Chandigarh	0.17	0.00	0.45	0.62
31	Dadar & Nagar Haveli	0.00	0.00	0.00	0.00
32	Daman & Diu	0.00	0.00	0.00	0.00
33	Delhi	3.41	0.65	0.02	4.08
34	Lakshadweep	1.52	0.00	0.00	1.52
35	Pondicherry	0.36	0.08	0.63	1.07
36	Others	27.24	36.19	35.30	98.73
	TOTAL:	269.58	148.55	185.49	603.62

Statement-ll

State-wise Achievments made under Major Programmes of MINES during the last three years i.e., 2003-04 to 2005-06

SI. No.	State/UT	Biogas (Nos)	SHP (MW)	Wind Power (MW)	Biomass Power (MW)	Biomass Gasifier (KW)	Solar Lights (No.)	IREP (NOS.	Village Electrifica (Nos.)
1.	Andhra Pradesh	43312	23.2	28.50	119.2	0.32	170	13	6
2.	Arunachal Pradesh	407	11.9	0.00	0.0	1 40	653	5	221
3.	Assam	248	0.1	0.00	0.0	000	0	0	33
4.	Bihar	283	5.5	0.00	0.0	0.00	1190	0	0
5.	Chhattisgarh	10525	10.0	0.00	16	51000	3394	16	152
6.	Goa	254	0.0	0.00	0.0	0.00	221	0	0
7.	Gujarat	18889	0.0	165.06	0.0	2800.95	2640	0	36
8.	Haryana	3758	14 4	0.00	2.0	300.13	3840	19	45
9.	Himachal Pradesh	635	38.8	0.00	0.0	0.00	1300	12	21
10.	Jammu & Kashmir	0	7.5	0.00	00	400.00	0	0	50
11.	Jharkhand	159	0.0	0.00	0.0	80.10	248	7	337
12.	Karnataka	21138	140.8	460.18	115.1	108 62	2996	27	20
13.	Kerala	7045	12.6	0.00	00	0.00	0	14	0
14.	Madhya Pradesh	28207	22	17 65	1.0	200.00	897	31	98
15.	Maharashtra	23108	0.0	588.50	11.5	0.85	207	0	177
16.	Manipur	102	0.0	0.00	0.0	000	1000	9	70
17.	Meghalaya	655	0.0	0.00	0.0	0.25	1000	7	3
16.	Mizoram	455	0.0	000	0.0	000	600	6.	20
19	Nagaland	700	0.2	0.00	0.0	0.28	0	6	0
20.	Orissa	25681	0.0	0.00	0.0	0.00	1511	0	0
21.	Punjab	5359	15 2	0.00	60	000	681	17	0
22.	Rajasthan	195	0.0	278.84	15.3	0.85	10566	0	254
23.	Sikkim	549	3.0	0.00	0.0	0.00	9770	0	13
24.	Tamil Nadu	4656	1.3	1904 28	670	237622	0	0	152
25.	Tripura	200	00	000	0.0	100.00	0	0	523
26.	Uttar Pradesh	20551	3.6	0.00	75.0	2140.46	400	50	250
27.	Uttaranchal	1284	10.9	0.00	0.0	0.00	4776	13	400
28.	West Bengal	38418	6.0	0.00	0.0	3986.10	150	0	510
29.	Andaman & Nicobar	0	0.0	0.00	0.0	0.00	0	0	0
30.	Chandigarh	0	0.0	0.00	0.0	0.00	0	0	0
31.	Dadar & Nagar Haveli	0	0.0	0.00	0.0	0.00	0	0	0
32.	Daman & Diu	0	0.0	0.00	0.0	0.00	0	0	0
33.	Delhi	0	0.0	0.00	0.0	0.00	0	0	0
34.	Lakshadweep	0	0.0	0.00	0.0	000	0	0	0
35.	Pondicherry	0	0.0	000	0.0	600.00	0	1	0
36.	Others	53106	0.0	0.00	0.0	000	2374	0	0
	TOTAL:	309879	307.2	3443 00	428.6	13106.5	50584	253	3391